

**WIRELESS COMMUNICATION SYSTEM AND LIFT SYSTEM HAVING THE SAME**ABSTRACT OF THE DISCLOSURE

- 5 A wireless communication system for providing a radio frequency (RF) link between an enclosed environment that is at least substantially shielded from RF signals, and the outside of the enclosed environment is disclosed. The wireless communication system includes at least one gateway antenna arranged at an entrance point of the enclosed environment. The gateway antenna radiates downlink RF signals into and receives uplink RF signals from, the enclosed environment, respectively. The system also includes at least one auxiliary repeater arranged within the enclosed environment, a donor antenna and a server antenna. Both the donor and the server antenna are coupled to the auxiliary repeater. The auxiliary repeater relays the downlink and the uplink RF signals using the donor antenna and the server antenna.
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- 15 A lift system including the wireless communication system is also disclosed.

Figure 1.